

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A non-transitory optical data storage medium for use with a recording and/or reproducing apparatus, comprising:

a first file comprising at least one clip, each clip comprising audio visual stream data and a timemap comprising information on reproduction time when the audio visual stream data is reproduced and information on a reproduction position of the audio visual stream data corresponding to the reproduction time;

a second file comprising at least one reproduction information unit for reproducing audio visual stream data, each reproduction information unit comprising information indicating a reproduction interval of a corresponding clip; and

~~a third file~~an executable program comprising navigation data ~~including~~ comprising at least one command, each command controlling reproduction of a corresponding reproduction information unit,

wherein the first file, the second file, and the executable program ~~third file~~ are recorded separately on the optical data storage medium.

2. (Previously Presented) The medium of claim 1, wherein the audio visual stream data is video object data, still image data, or audio data.

3. (Canceled)

4. (Previously Presented) The medium of claim 1, wherein a first layer to which the at least one reproduction information unit belongs is distinguishable, logically and physically, from a second layer to which the navigation data belongs.

5. (Previously Presented) The medium of claim 4, wherein the second layer is an upper layer of the first layer.

6. - 41. (Canceled).

42. (Currently Amended) A reproducing apparatus for reproducing data from a an optical data storage medium, comprising:

a reader ~~which reads~~configured to read a first file, a second file, and a ~~third file~~an executable program from the data storage medium, the first file comprising at least one clip, each clip comprising audio visual stream data and a timemap comprising information on reproduction time when the audio visual stream data is reproduced and information on a reproduction position of the audio visual stream data corresponding to the reproduction time, the second file comprising at least one reproduction information unit for reproducing audio visual stream data, each reproduction information unit comprising information indicating a reproduction interval of a corresponding clip, and the executable program ~~third file~~ comprising navigation data ~~including~~ comprising at least one command, each command controlling reproduction of a corresponding reproduction information unit; and

a controller ~~which reproduces~~configured to reproduce the audio visual stream data from the optical data storage medium based on the first file, the second file, and the executable program ~~third file~~,

wherein the first file, the second file, and the executable program ~~third file~~ are recorded separately on the optical data storage medium.

43. (Previously Presented) The apparatus of claim 42, wherein the audio visual stream data is video object data, still image data, or audio data.

44. (Previously Presented) The apparatus of claim 42, wherein a first layer to which the at least one reproduction information unit belongs is distinguishable, logically and physically, from a second layer to which the navigation data belongs.

45. (Previously Presented) The apparatus of claim 44, wherein the second layer is an upper layer of the first layer.

46. (New) The medium of claim 1, wherein the corresponding reproduction information unit is controlled according to user input provided by the command of the navigation data.

47. (New) A non-transitory optical data storage medium of for use with a recording and/or reproducing apparatus, comprising:

a first file comprising at least one clip, each clip comprising audio visual stream data and a timemap comprising information on reproduction time when the audio visual stream data is reproduced and information on a reproduction position of the audio visual stream data corresponding to the reproduction time;

a second file comprising at least one reproduction information unit for reproducing audio visual stream data, each reproduction information unit comprising information indicating a reproduction interval of a corresponding clip; and

an executable program comprising navigation data comprising a plurality of commands, each command controlling reproduction of a corresponding reproduction information unit,

wherein the first file, the second file, and the executable program are recorded separately on the optical data storage medium, and

wherein the plurality of commands comprises commands configured to change an execution order of the commands.